

Health Profile Douglas County, Nevada 2001

*Bureau of Community Health
August, 2002*

Kenny C. Guinn, Governor
Michael J. Willden, Director
Department of Human Resources

Yvonne Sylva, Administrator
State Health Division

Health Profile Douglas County, Nevada 2001

*Bureau of Community Health
August, 2002*

Lei Chen, Ph.D.
Drew Mather, M.S.
Sherry Torgerson, B.S.

Bureau of Community Health, Nevada State Health Division
505 East King Street, Room 304
Douglas County, Nevada 89701
(775) 684-5900

ACKNOWLEDGEMENTS

Report prepared by (in alphabetic order):

Lei Chen, Ph.D.
Disease Control Specialist
Bureau of Community Health

Drew Mather, M.S.
Health Resource Analyst
Bureau of Health Planning and Statistics

Sherry Torgerson, B.S.
Disease Control Specialist
Bureau of Community Health

Data provided by (in alphabetic order):

Bureau Of Health Planning And Statistics
William Lee, B.A., Biostatistician
Tim Pollard, B.A., Health Resource Analyst
Brian Wellins, B.A., Biostatistician

Bureau of Community Health
Kate McNeese, Administrative Assistant
Sherry Torgerson, B.S., Disease Control Specialist
Lee Zdanowicz, M.S., B.B.A., Management Analyst

Division of Mental Health and Developmental Services
Rural Clinics Community Outpatient Services
Jerry Cinani, Director, Program Evaluation

Special Thanks to:

Mary Guinan, M.D., Ph.D.
Executive Director
Nevada Public Health Foundation

Randall Todd, Dr. P.H.
State Epidemiologist
Nevada State Health Division

Richard Whitley, M.S.
Bureau Chief
Bureau of Community Health

Wei Yang, Ph.D., State Biostatistician
Bureau of Health Planning and Statistics

CONTENTS

ACKNOWLEDGEMENTS	i
CONTENTS	ii
LIST OF TABLES	iii
LIST OF FIGURES	iv
EXECUTIVE SUMMARY	v
NEVADA MAP	vi
HEALTH PROFILE	1
DEMOGRAPHICS	1
2001 DEMOGRAPHICS	1
1991 - 2001 POPULATION CHANGE	2
2001 - 2010 POPULATION PROJECTIONS	3
SOCIOECONOMIC STATUS	4
BIRTHS	5
DEATHS	6
CHRONIC DISEASES: CONDITIONS AND RISK FACTORS	8
INFECTIOUS DISEASES	9
INJURIES	10
PREVENTIVE SERVICES USE	11
IMMUNIZATION COVERAGE LEVELS IN CHILDREN	11
ADULT PREVENTIVE SERVICES USE	11
MENTAL HEALTH	12
TECHNICAL NOTES	13
1. RACE AND ETHNICITY	13
2. POPULATION DATA	13
3. CRUDE RATE	13
4. AGE-AJUSTED MORTALITY RATE	13
5. DATA CONFIDENTIALITY	13
6. SAMPLE SIZE FOR BRFSS IN DOUGLAS COUNTY	13
7. POVERTY	13
REFERENCES	14

LIST OF TABLES

TABLE 1	Population by Gender, Age Group, and Race/Ethnicity, 2001.....	1
TABLE 2	Population Change from 1991 to 2001 by Gender, Age Group, and Race/ Ethnicity.....	2
TABLE 3	Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity.....	3
TABLE 4	Socioeconomic Status.....	4
TABLE 5	Births, 1999-2001.....	5
TABLE 6	Infant Death Rates per 1,000 Live Births, 1999-2001.....	6
TABLE 7	Age-adjusted Mortality Rates per 100,000 Population, 1999-2001.....	6
TABLE 8	Top Ten Leading Causes of Death by Age Group for Two-Year Period (1999- 2000).....	7
TABLE 9	Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001....	9
TABLE 10	Injury Death Rate per 100,000 Population, 1999-2001.....	10
TABLE 11	Mental Health Case Loads, FY2001-FY2002.....	12

LIST OF FIGURES

FIGURE 1	Population Distribution by Race/Ethnicity, 2001.....	1
FIGURE 2	Population Increase (%) from 1991 to 2001 by Gender.....	2
FIGURE 3	Population Increase (%) from 1991 to 2001 by Age Group.....	2
FIGURE 4	Population Increase (%) from 1991 to 2001 by Race/Ethnicity.....	2
FIGURE 5	Population Increase (%) from 2001 to 2010 by Gender.....	3
FIGURE 6	Population Increase (%) from 2001 to 2010 by Age Group.....	3
FIGURE 7	Population Increase (%) from 2001 to 2010 by Race/Ethnicity.....	3
FIGURE 8	Infant Death Rates per 1,00 Live Births, 2001.....	6
FIGURE 9	Age-Adjusted Mortality Rates, 2001.....	6
FIGURE 10	Leading Chronic Disease Hospital Admissions, 2001.....	8
FIGURE 11	Smoking Rate (%), 2001.....	8
FIGURE 12	Alcohol Beverage Consumption Rate (%), 2001.....	8
FIGURE 13	Physical Activity & Fitness (%), 2000.....	8
FIGURE 14	High Blood Pressure (%), 2001.....	8
FIGURE 15	No Cholesterol Check (%), 2001.....	8
FIGURE 16	Estimated Vaccination Coverage Level with 4:3:1 among Children at 24 Months of Age, 1999-2001.....	11
FIGURE 17	Adult Preventive Services Use (%), 2000 & 2001.....	11
FIGURE 18	Mental Health Case Loads, FY2001-FY2002.....	12

HEALTH PROFILE DOUGLAS COUNTY, NEVADA, 2001

EXECUTIVE SUMMARY

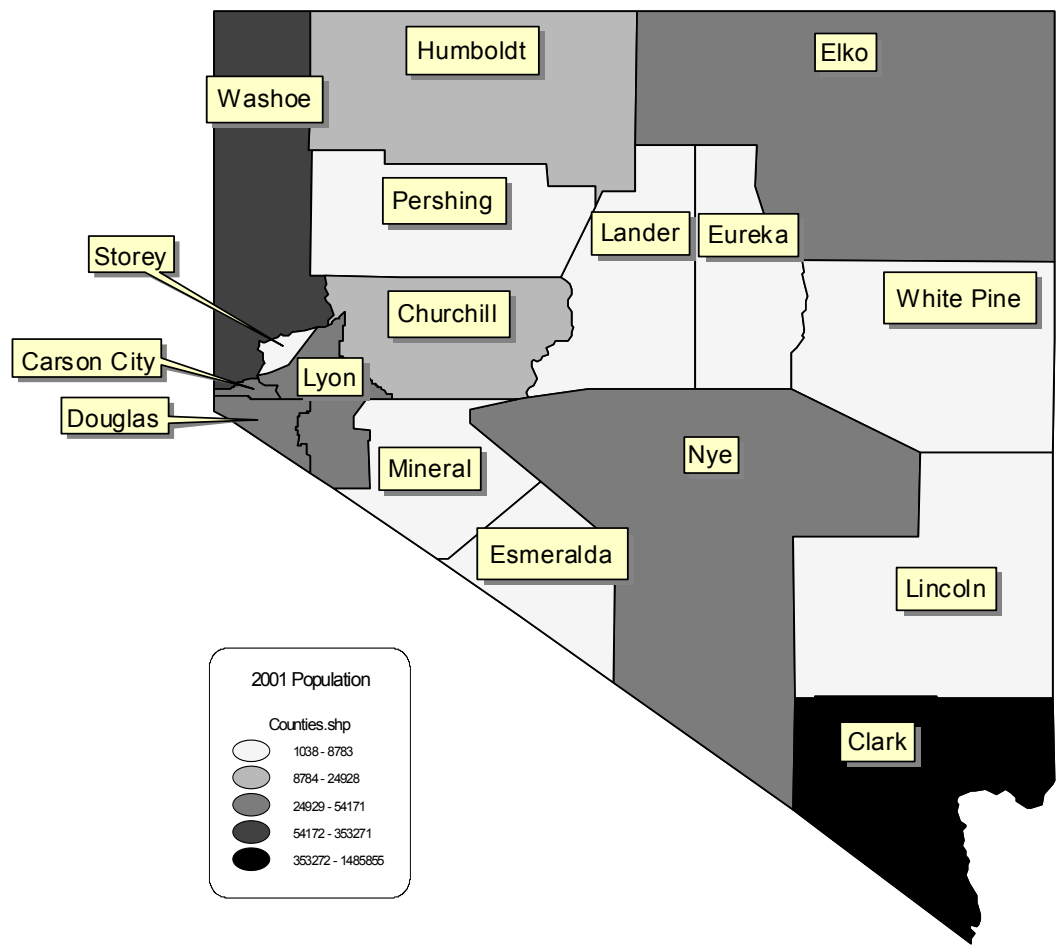
This report was prepared by the Bureau of Community Health (BCH), Nevada State Health Division. The purpose of the report is to provide information to policy makers, grant writers, medical providers, and administrators, and other parties interested in the health status of Douglas County and the State of Nevada. The data is organized into sections by providing basic demographics, socioeconomic status, births, deaths, chronic diseases and risk factors, infectious diseases, injuries, preventive services for children and adults. For most health indicators, data for Douglas County were compared to the statewide data and Healthy People (HP) 2010 targets.

Douglas County had a 51% increases in population from 1991 to 2001. In 2001, the population of Douglas County was 43,450 accounting for 2.0% of the total state population (2,132,498) of Nevada. Douglas County has a higher percentage of people in the 65 and over age group, a lower rate of non-white population, and a higher median income compared to the State of Nevada. Population projections show that there will be an increase in the non-white population by the year 2010

The following table is a summary of the current health status of Douglas County compared with HP 2010 targets. Details can be found later in the report under the respective sections.

Health Indicators	HP 2010 Targets Met ★	HP 2010 Not Met ▲
BIRTHS	<ol style="list-style-type: none"> 1. Pre-term Birth 2. Teen Mothers 	<ol style="list-style-type: none"> 1. Low Birth Weight 2. Prenatal care in the 1st trimester
DEATHS	<ol style="list-style-type: none"> 1. Neonatal infant mortality rate 2. Neonatal infant mortality rate 3. Mortality rate due to trachea, bronchus, & lung cancer 4. Mortality rate due to breast cancer 5. Mortality rate due to cervical cancer 6. Mortality rate due to prostate cancer 7. Mortality rate due to COPD 8. Mortality rate due to stroke 	<ol style="list-style-type: none"> 1. Infant Mortality rate 2. Post-neonatal mortality rate 3. Mortality rate due to all cancers 4. Mortality rate due to colorectal cancer 5. Mortality rate due to Diabetes Mellitus
CHRONIC DISEASES MAJOR RISK FACTORS	<ol style="list-style-type: none"> 1. Cigarette smoking rate for males 2. Physical inactivity rate 3. Cholesterol checking rate 	<ol style="list-style-type: none"> 1. Cigarette smoking rate for females 2. % of people trying to lose weight 3. High blood pressure rate
INFECTIOUS DISEASES	<ol style="list-style-type: none"> 1. Chlamydia 2. Syphilis (primary & secondary) 3. Hepatitis C 4. Mumps 5. Pertussis 6. Rubella 7. Meningitis (bacterial) 8. Meningococcal disease 9. Tuberculosis 10. Campylobacteriosis 	
INJURIES	<ol style="list-style-type: none"> 1. Homicide 	<ol style="list-style-type: none"> 1. Suicide 2. Motor Vehicle Injuries
PREVENTIVE SERVICES USE	<ol style="list-style-type: none"> 1. Mammogram for women 40 years and older in the preceding 2 years 2. Pap smears for adult women 	<ol style="list-style-type: none"> 1. Immunization Coverage in 2-year old children 2. Pneumococcal pneumonia vaccination for adults 3. Influenza vaccination for adults in the past 12 months

NEVADA MAP



HEALTH PROFILE DEMOGRAPHICS

2001 DEMOGRAPHICS

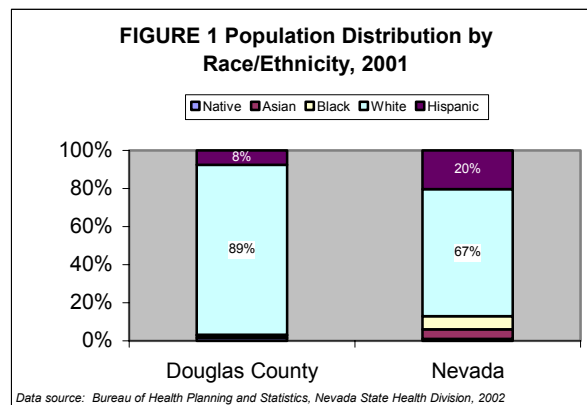
Population in 2001:	Douglas County	43,450
	Nevada	2,132,498
Percent of total Nevada population:		2.0%
Population density (people per square mile):	Douglas County	58
	Nevada	18

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

TABLE 1 Population by Gender, Age Group, and Race/Ethnicity, 2001

		Douglas County		Nevada	
		Population	% of Total Population	Population	% of Total Population
GENDER	Male	21,947	51%	1,086,325	51%
	Female	21,503	49%	1,046,173	49%
	Total	43,450	100%	2,132,498	100%
AGE GROUP	<1	409	1%	31,028	1%
	1-17	10,028	23%	515,040	24%
	18-64	26,425	61%	1,352,890	63%
	65+	6,590	15%	233,541	11%
	Total	43,451	100%	2,132,499	100%
RACE/ETHNICITY	Native	658	2%	23,015	1%
	Asian	583	1%	106,104	5%
	Black	131	0%	145,888	7%
	White	38,791	89%	1,422,260	67%
	Hispanic	3,286	8%	435,232	20%
	Total	43,449	100%	2,132,499	100%

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



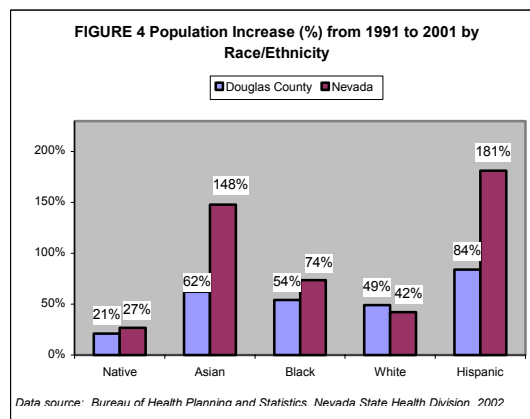
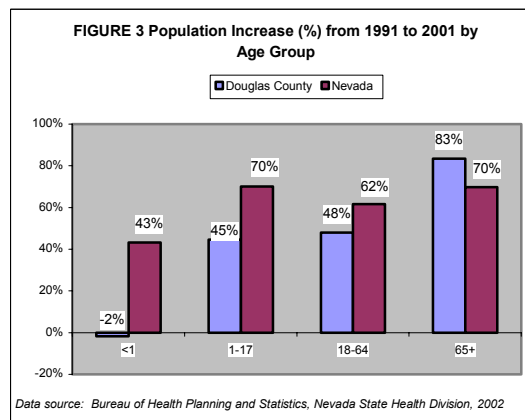
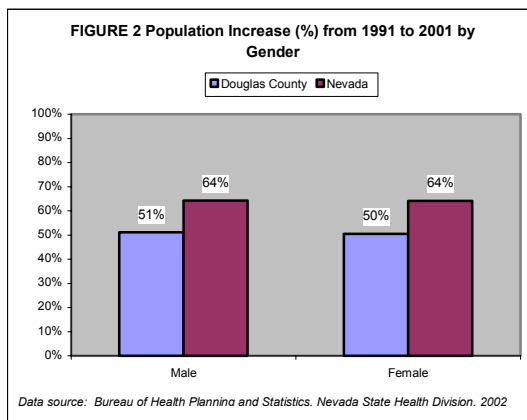
- Douglas County had a similar distribution by gender compared to the State of Nevada in 2001.
- Douglas County had a higher percentage of population with an age of 65 and older (15%) compared to the State of Nevada (11%) in 2001.
- Douglas County had a lower rate of non-white population (11%) compared with the State of Nevada (33%) in 2001.

1991 - 2001 POPULATION CHANGE

TABLE 2 Population Change from 1991 to 2001 by Gender, Age Group, and Race/Ethnicity

		Douglas County			Nevada		
		1991	2001	% Increase	1991	2001	% Increase
GENDER	Male	14,520	21,947	51%	661,625	1,086,325	64%
	Female	14,290	21,503	50%	637,735	1,046,173	64%
	Total	28,810	43,450	51%	1,299,360	2,132,498	64%
AGE GROUP	<1	416	409	-2%	21,660	31,028	43%
	1-17	6,937	10,028	45%	302,839	515,040	70%
	18-64	17,863	26,425	48%	837,255	1,352,890	62%
	65+	3,594	6,590	83%	137,606	233,541	70%
	Total	28,810	43,451	51%	1,299,360	2,132,499	64%
RACE/ETHNICITY	Native	543	658	21%	18,163	23,015	27%
	Asian	359	583	62%	42,818	106,104	148%
	Black	85	131	54%	84,032	145,888	74%
	White	26,036	38,791	49%	999,544	1,422,260	42%
	Hispanic	1,787	3,286	84%	154,803	435,232	181%
	Total	28,810	43,449	51%	1,299,360	2,132,499	64%

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



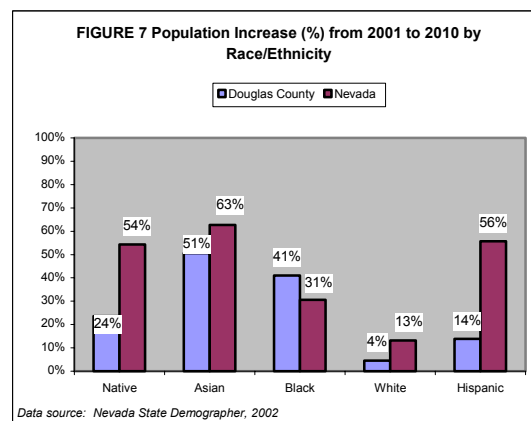
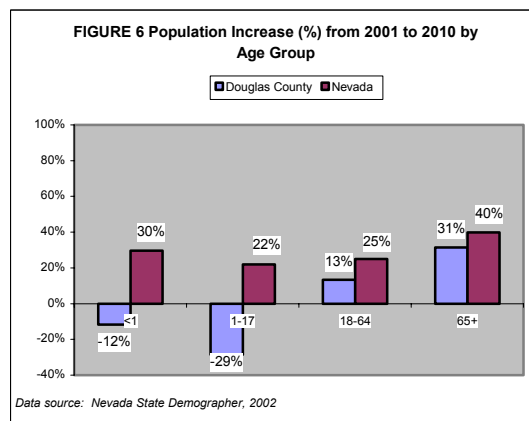
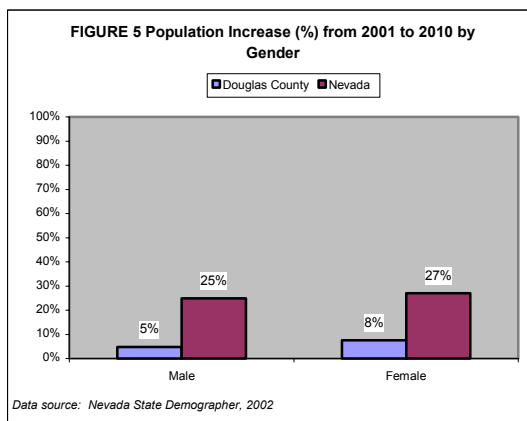
- From 1991-2001, Douglas County had a lower population increase rate (51%) compared to the State of Nevada (64%).
- From 1991 to 2001, there has been a great increase in the age group over 65 (83%), which is greater than the growth for the State of Nevada (70%).
- The race/ethnic group with the greatest increase has been the Hispanic population (84%).

2001 - 2010 POPULATION PROJECTIONS

TABLE 3 Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity

		Douglas County			Nevada		
		2001	2010	% Increase	2001	2010	% Increase
GENDER	Male	21,947	23,007	5%	1,086,325	1,356,489	25%
	Female	21,503	23,132	8%	1,046,173	1,328,363	27%
	Total	43,450	46,139	6%	2,132,498	2,684,853	26%
AGE GROUP	<1	409	361	-12%	31,028	40,232	30%
	1-17	10,028	7,165	-29%	515,040	628,131	22%
	18-64	26,425	29,947	13%	1,352,890	1,689,759	25%
	65+	6,590	8,665	31%	233,541	326,731	40%
	Total	43,451	46,139	6%	2,132,499	2,684,853	26%
RACE/ETHNICITY	Native	658	813	24%	23,015	35,517	54%
	Asian	583	878	51%	106,104	172,683	63%
	Black	131	185	41%	145,888	190,606	31%
	White	38,791	40,522	4%	1,422,260	1,608,666	13%
	Hispanic	3,286	3,741	14%	435,232	677,380	56%
	Total	43,449	46,139	6%	2,132,499	2,684,853	26%

Data source: Nevada State Demographer, 2002



- Population projections for 2010 predict that Douglas County will grow at a lower rate (6%) than the State of Nevada (26%).
- Population projections for 2010 predict that all non-white populations will increase and the number under 18 years of age will decrease while the number over 18 will increase.

SOCIOECONOMIC STATUS

TABLE 4 Socioeconomic Status

		Douglas County	Nevada
	Total households (2000) ³	16,401	751,165
Households (2000) ¹	Family households (families) (%) ⁴	73%	66%
	Nonfamily households (%) ⁵	27%	34%
	Households with individuals under 18 years (%)	33%	35%
	Households with individuals 65 years and over (%)	26%	21%
	Average household size ⁶	2.5	2.62
Income (2000)	Median household income	\$46,026.00	\$39,280.00
	People of all ages in poverty (%) ⁸	7%	11%
Unemployment rate (%) ²	2001	4.8	5.3
	2000	4.1	4.1
	1999	4.8	4.4

Data source: ¹ US Census Bureau, Census 2000² Nevada Department of Employment, 2002

Note:

³A household includes all of the people who occupy a housing unit. People not living in households are classified as living in group quarters.⁴A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people in a household who are related to the householder are regarded as members of his or her family.⁵A householder living alone or with nonrelatives only.⁶A measure obtained by dividing the number of people in households by the total number of households (or householders).⁷Represents 90% confidence interval⁸Poverty can be determined based on the poverty thresholds (see technical notes for POVERTY)

- Douglas County had a higher percentage of households (73%) compared to the State of Nevada (66%) in 2000 and a greater percentage of households with individuals 65 years and over (26%) compared to the State of Nevada (21%).
- The median household income in Douglas County was higher than in the State of Nevada in 2000.

BIRTHS

TABLE 5 Births, 1999-2001

	1999		2000		2001		Healthy People 2010 Targets
	Douglas County	Nevada	Douglas County	Nevada	Douglas County	Nevada	
Total births	281	28,911	288	30,130	355	31,297	No target
Births by race/ethnicity							
Native	6	380	6	372	7	399	No target
Asian	7	1,586	9	1,894	6	2,031	No target
Black	⁶ NA	2,077	⁶ NA	2,255	⁶ NA	2,389	No target
White	224	15,244	228	15,303	296	15,264	No target
Hispanic	37	9,153	40	10,007	45	10,831	No target
Other	6	471	⁶ NA	299	0	383	No target
LBW (%) ¹	10.0%	7.6%	5.6%	7.2%	8.5%	7.6%	5.0% ▲
VLBW (%) ²	⁶ NA	1.2%	⁶ NA	1.3%	⁶ NA	1.0%	0.9%
Preterm births (%) ³	11.7%	10.2%	7.6%	9.8%	7.0%	10.0%	7.6% ★
Teen mothers (per 1,000) ⁴	42.7	48.2	45.1	44.3	31.0	40.8	43 ★
Older mothers (%) ⁵	6.0%	2.2%	2.8%	2.1%	1.7%	2.3%	No target
Unmarried mothers (%)	17.4%	33.4%	19.1%	34.0%	21.7%	32.2%	No target
Prenatal care in 1 st trimester (%)	83.3%	68.7%	85.8%	70.6%	82.5%	72.4%	90.0% ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

¹LBW: Low Birth Weight (<2,500 grams);²VLBW: Very Low Birth Weight (<1,500 grams);³Preterm births: Births are <37 weeks of gestation;⁴Teen mothers: Mother's age is younger than 18 years old;⁵Older mothers: Mother is older than 40;⁶NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- The total births for residents of Douglas County in 2001 accounted for 1.1% of the total births in Nevada.
- The HP 2010 targets for preterm births and teen mothers per 1,000 live births were met by Douglas County in 2001.
- The HP 2010 targets for LBW and prenatal care in the first trimester were not met by Douglas County or the State of Nevada in 2001.
- The HP 2010 target for VLBW was not evaluated since there were less than 5 cases reported in Douglas County in 2001.

DEATHS

TABLE 6 Infant Death Rates per 1,000 Live Births, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Douglas County	Nevada	Douglas County	Nevada	Douglas County	Nevada	
Infant mortality rate ¹	⁴ NA	6.6	⁴ NA	6.5	5.6	5.7	4.5 ▲
Neonatal infant mortality rate ²	3.6	3.9	3.5	4.0	2.8	2.9	2.9 ★
Post-neonatal mortality rate ³	0.0	2.7	0.0	2.4	2.8	2.7	1.2 ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

¹ Within the first year² Within the first 28 days of life³ Between 28 days of life and 1 year⁴ NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

TABLE 7 Age-adjusted Mortality Rates per 100,000 Population, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Douglas County	Nevada	Douglas County	Nevada	Douglas County	Nevada	
Diseases of the heart	159.2	267.8	198.5	246.3	186.0	257.4	No target
All Cancers	175.7	200.9	157.2	204.5	164.1	203.5	159.9 ▲
Trachea, Bronchus, & Lung	50.4	62.5	51.8	62.8	35.3	63.0	44.9 ★
Breast	23.2	25.9	¹ NA	25.8	17.9	24.8	22.3 ★
Cervical	0.0	2.4	¹ NA	3.4	0.0	2.9	2.0 ★
Colorectal	17.4	21.7	¹ NA	23.6	23.5	22.0	13.9 ▲
Prostate	¹ NA	28.8	42.8	25.1	27.5	30.1	28.8 ★
CLRD*	43.5	63.7	18.6	59.1	0.0	0.0	60.0 ★
Stroke	41.4	57.2	55.7	54.0	39.9	55.3	48.0 ★
Diabetes Mellitus	15.4	16.9	12.8	14.5	25.6	17.3	45.0 ★
Influenza and Pneumonia	¹ NA	22.1	16.9	21.2	12.7	22.4	No target
All Deaths	705.9	914.1	616.8	881.3	658.6	923.4	No target

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

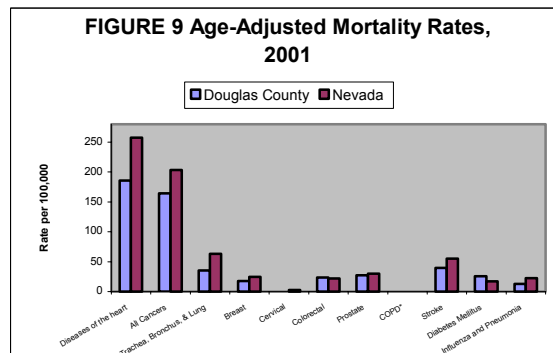
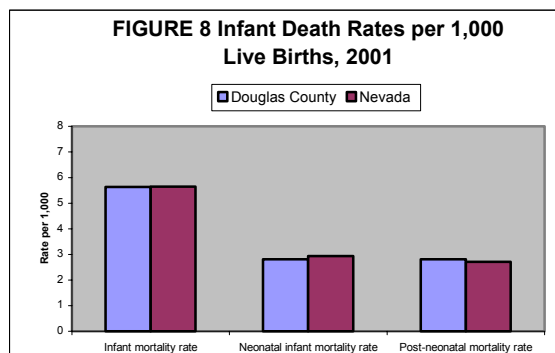
Age adjusted to the year 2000 standard population for all rates and 2010 targets

¹ NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

* CLRD: Chronic Lower Respiratory Disease



- The HP 2010 objectives for age-adjusted mortality rates for neonatal infant mortality, trachea, bronchus, and lung cancer, breast cancer, cervical cancer, and prostate cancer were met by Douglas County, but not the State of Nevada in 2001.
- The HP 2010 objectives for age-adjusted mortality rates for infant mortality, post-neonatal mortality, all cancers, colorectal cancer, and stroke were not met by Douglas County or the State of Nevada in 2001.
- In 2001, the HP 2010 objectives for age-adjusted mortality for chronic lower respiratory disease and diabetes mellitus were met in Douglas County and the State of Nevada.

TABLE 8 Top Ten Causes of Death by Age Group for the Two-Year Period (1999-2000)

	Ranking	Age Group					
		< 1	1-14	15-24	25-44	45-64	> 65
DOUGLAS COUNTY RESIDENTS	Total Deaths	NA ¹	0	NA ¹	26	103	425
	1 st	Others ²		Unintentional Injuries	Suicide	Cancer	Heart Disease
	2 nd			Respiratory Disease ³ , Suicide, Cancer	Others ² , Unintentional Injuries	Heart Disease	Cancer
	3 rd				Heart Disease, Cancer	Others ²	Others ²
	4 th				Liver Disease ⁴	Liver Disease ⁴	Stroke
	5 th				Septicemia, Homicide, HIV	Stroke, Suicide	Respiratory Disease ³
	6 th					Respiratory Disease ³	Diabetes
	7 th					Kidney Disease ⁵ , Unintentional Injuries, Septicemia	Unintentional Injuries
	8 th					Diabetes	Influenza and Pneumonia, Alzheimer's disease
	9 th						Atherosclerosis, Liver Disease ⁴ , Kidney Disease ⁵ , Septicemia
	10 th						Suicide
NEVADA RESIDENTS	Total Deaths	386	180	406	2,081	6,562	20,083
	1 st	Others ²	Unintentional Injuries	Unintentional Injuries	Unintentional Injuries	Cancer	Heart Disease
	2 nd	Unintentional Injuries	Others ²	Homicide, Suicide	Others ²	Heart Disease	Cancer
	3 rd	Heart Disease	Heart Disease, Homicide, Cancer	Others ²	Suicide	Others ²	Others ²
	4 th	Septicemia	Septicemia	Cancer	Heart Disease	Unintentional Injuries	Respiratory Disease ³
	5 th	Homicide, Influenza and Pneumonia	Suicide	Heart Disease	Cancer	Liver Disease ⁴	Stroke
	6 th	Stroke	Influenza and Pneumonia, Stroke, Respiratory Disease ³	Influenza and Pneumonia	Homicide	Respiratory Disease ³	Influenza and Pneumonia
	7 th	Cancer, Kidney Disease ⁵	Kidney Disease ⁵	Diabetes, Septicemia	HIV	Suicide	Kidney Disease ⁵
	8 th	Respiratory Disease ³ , HIV		HIV, Stroke, Respiratory Disease ³	Liver Disease ⁴	Stroke	Septicemia
	9 th			Liver Disease ⁴	Stroke	Diabetes	Alzheimer's Disease
	10 th				Diabetes	Septicemia	Diabetes

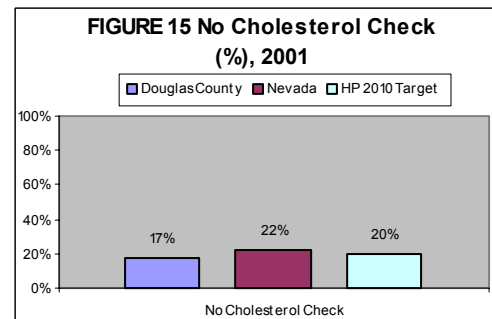
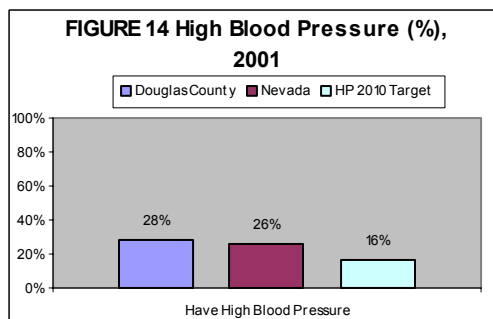
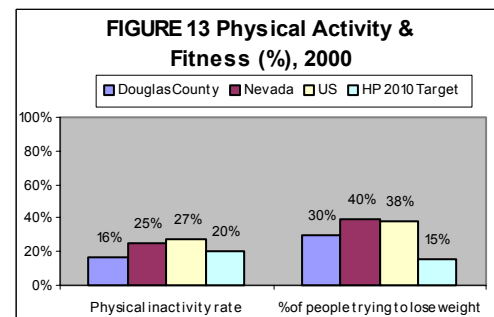
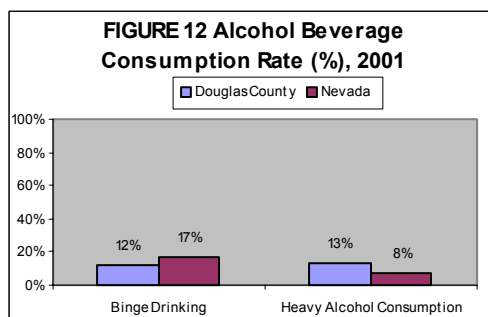
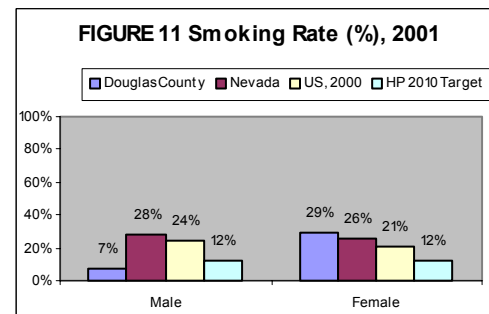
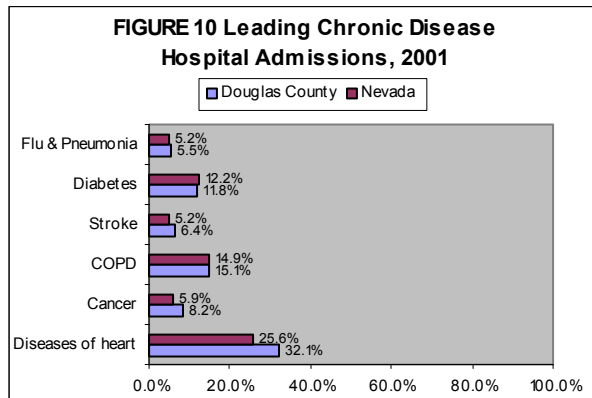
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

¹ NA* indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.² Others* represents causes of death other than the 15 leading causes of death including heart disease, cancer, stroke, chronic lower respiratory disease, accidents, influenza and pneumonia, diabetes mellitus, HIV diseases, suicide, chronic liver diseases and cirrhosis, nephritis, nephrotic syndrome and nephrosis, septicemia, Alzheimer's Disease, homicide & legal intervention, and atherosclerosis.³ Respiratory Disease* represents chronic lower respiratory diseases.⁴ Liver Disease* represents chronic liver disease and cirrhosis.⁵ Kidney Disease* represents nephritis, nephritic syndrome, and nephrosis.

- Suicide was the leading cause of death in the 25-44 age group in Douglas County for 1999-2000.

CHRONIC DISEASES: CONDITIONS AND RISK FACTORS



- In 2001, Douglas County had a higher hospital admission rate for heart disease, than the State of Nevada. Douglas County also had a higher percentage of female smokers, heavy alcohol consumers, and those who engage in less physical activity than those across the State of Nevada.
- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 137 lived in Douglas County (60 male, 77 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 107 lived in Douglas County (60 male, 47 female).
- For alcohol beverage consumption rate, no US nationwide data and HP 2010 targets were available
- For physical activity and fitness, no US nationwide data were available

INFECTIOUS DISEASES

TABLE 9 Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001

Infectious Diseases	Douglas County			Nevada			Healthy People 2010 Targets
	1999	2000	2001	1999	2000	2001	
Acquired Immunodeficiency Syndrome (AIDS)	⁴ NA	⁴ NA	⁴ NA	12.1	13.3	10.5	1.0
Human Immunodeficiency Virus (HIV) - Not yet AIDS	⁴ NA	⁴ NA	⁴ NA	9.3	13.6	12.2	Not Available
Chlamydia	49.3	98.4	82.9	145.1	189.0	227.2	170.0 ¹ ★
Gonorrhea	⁴ NA	⁴ NA	⁴ NA	61.3	73.2	82.8	19.0
Syphilis (primary & secondary)	0.0	0.0	0.0	0.2	0.2	0.4	0.2 ★
Hepatitis A	⁴ NA	0.0	⁴ NA	6.8	4.2	3.3	4.5
Hepatitis B	⁴ NA	0.0	⁴ NA	2.8	2.6	2.4	2.4-5.1 ²
Hepatitis C	⁴ NA	⁴ NA	0.0	0.5	0.8	0.4	1.0 ★
Mumps	0.0	0.0	0.0	0.2	0.3	0.2	0.0 ★
Pertussis	0.0	0.0	0.0	0.7	0.7	1.9	See note ³ ★
Rubella	0.0	0.0	0.0	0.0	0.0	0.0	0.0 ★
Meningitis (Bacteria)	0.0	0.0	0.0	1.2	2.3	1.2	8.6 ★
Meningococcal disease	0.0	0.0	0.0	0.4	0.2	0.4	1.0 ★
Tuberculosis	⁴ NA	⁴ NA	0.0	4.5	4.4	4.5	1.0 ★
Campylobacteriosis	⁴ NA	24.0	0.0	6.5	10.2	9.2	12.3 ★
<i>E. coli</i> 0157 Diarrhea	⁴ NA	⁴ NA	⁴ NA	1.2	0.7	0.8	1.0
Salmonellosis	⁴ NA	26.4	⁴ NA	9.4	12.4	9.5	6.8

Data source: HIV/AIDS Reporting System (HARS), STD-MIS, and National Electronic Telecommunications Surveillance System (NETSS)

provided by Bureau of Community Health, Nevada State Health Division, 2002

Note: ¹Prevalence rate per 100,000 population for Chlamydia is HP 2000 target. No HP 2010 target for prevalence rate per 100,000 population for Chlamydia is available

²HP 2010 target is 2.4, 5.1, and 3.8 cases per 100,000 population for age groups 19-24, 25-39, and 40+, respectively.

³HP 2010 target is 2,000 cases nationwide for children under 7 years of age. No HP 2010 target rate is available

⁴NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- Data presented in the table only reflects reported cases. Some diseases such as Hepatitis may be very under-reported indicating a need for increased surveillance.
- In 2001 Douglas County met HP 2010 targets for Chlamydia, Syphilis, Hepatitis C, Mumps, Pertussis, Rubella, Meningitis, Meningococcal disease, Tuberculosis, and Campylobacteriosis.
- HP 2010 objectives were not reviewed for those infectious diseases for which in 2001 there were fewer than 5 cases. These were AIDS, Gonorrhea, Hepatitis A, Hepatitis B, *E. coli*, and Salmonellosis.

INJURIES

TABLE 10 Injury Death Rate per 100,000 Population, 1999-2001

	Year	Douglas County	Nevada	Healthy People 2010 Targets
Homicide	1999	¹ NA	8.2	3.0
	2000	0.0	6.2	3.0 ★
	2001	0.0	8.8	3.0 ★
Suicide	1999	20.4	20.6	5.0 ▲
	2000	18.6	19.2	5.0 ▲
	2001	18.7	18.2	5.0 ▲
Motor Vehicle Injuries	1999	11.9	15.0	9.2 ▲
	2000	¹ NA	13.2	9.2
	2001	11.0	15.3	9.2 ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

★ Indicates "HP 2010 target was met" for 2001 for the county

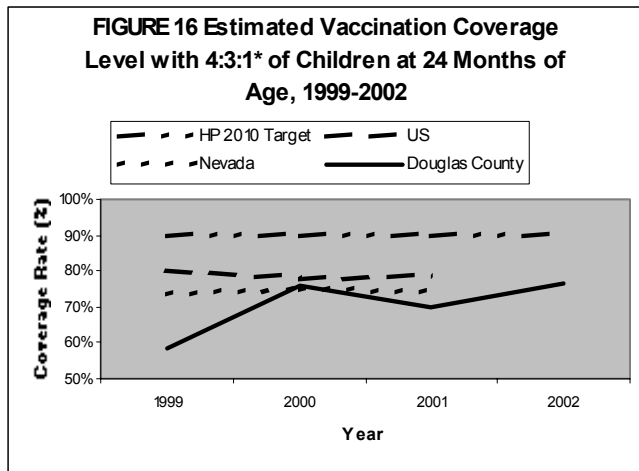
▲ Indicates "HP 2010 target was not met" for 2001 for the county

¹NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

- Death rates per 100,000 population for Douglas County and Nevada and HP 2010 targets are age-adjusted rates (year 2000 standard population)
- In 2001, Douglas County reached the HP 2010 target for Homicide but the State of Nevada did not.
- In 2001, neither Douglas County nor the State of Nevada reached the HP 2010 targets for suicide or motor vehicle injuries.

PREVENTIVE SERVICES USE

IMMUNIZATION COVERAGE LEVELS IN CHILDREN

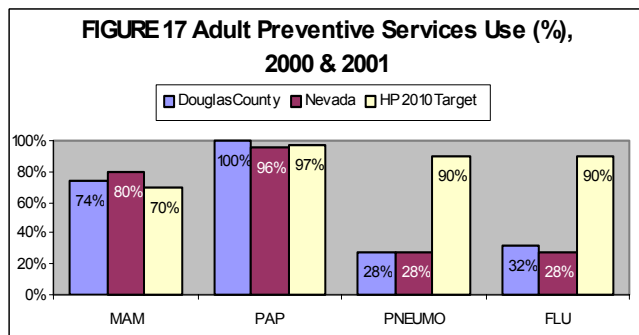


Data source: Bureau of Community Health, Nevada State Health Division, 2002

* Four or more doses of Diphtheria and Tetanus toxoids and Pertussis vaccine, 3 or more doses Poliovirus Vaccine, and one or more doses of Measles-Mumps-Rubella vaccine

- The data for Douglas County is from the public health clinic only. It does not reflect the complete vaccination coverage level in Douglas County.
- The data for Nevada and the US were obtained from the National Immunization Survey for Children 19-35 months of age. Data has not yet been released for 2002.
- The Healthy People 2010 target is for children 19-35 months of age.

ADULT PREVENTIVE SERVICES USE



Data source: Nevada State Behavioral Risk Factor Surveillance System (BRFSS), 2000 & 2001, provided by the Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

MAM: Mammogram for women 40 years and older in preceding 2 years (2000 BRFSS)

PAP: Pap smears for adult women (2000 BRFSS)

PNEUMO: Pneumococcal pneumonia vaccination for adults (2001 BRFSS)

FLU: Influenza vaccination for adults in the past 12 months (2001 BRFSS)

- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 137 lived in Douglas County (60 male, 77 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,056 male, 1,044 female) were included. Out of the 2,100 people, 107 lived in Douglas County (60 male, 47 female)
- Douglas County and the State of Nevada had very low self-reported adult vaccination coverage for influenza and pneumonia compared to the HP 2010 target.

MENTAL HEALTH

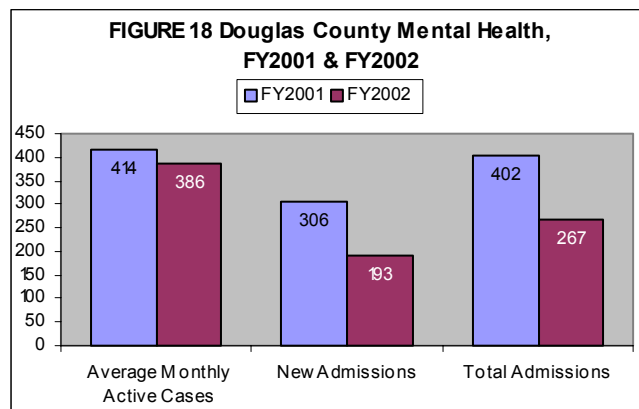
There are 18 clinics that comprise the Mental Health Rural Clinics service delivery system. Each clinic has a combination of psychiatrist(s), psychologists, clinical social workers, mental health counselors, psychiatric caseworkers, and support staff. Each clinic provides an array of mental health services on an outpatient basis such as individual, couple, and family therapy, group therapy, medication clinic, service coordination, psychological testing, psychosocial rehabilitation, housing services, emergency services, and consultation and education. Many clinics also have substance abuse counselors.

There are two mental health clinics in Douglas County, Douglas Mental Health Clinic and South Tahoe Mental Health Clinic.

TABLE 11 Mental Health Case Loads in Douglas County, Fiscal Years 2001 & 2002

	Fiscal Year 2001	Fiscal Year 2002
Average Monthly Active Cases	414	386
New Admissions	306	193
Total Admissions	402	267

Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002



Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002

TECHNICAL NOTES

1. RACE AND ETHNICITY

In this report, "Native" refers to American Indian, non-Hispanic populations; "Asian" refers to Asian/Pacific Islander, non-Hispanic populations; "Black" refers to African American, non-Hispanic populations; "White" refers to White, non-Hispanic populations; "Hispanic" includes all races with a Hispanic ethnic origin. No duplicate counting exists.

2. POPULATION DATA

All Douglas County and Nevada population data were based on the database established by the Nevada State Demographer's Office and provided by the Bureau of Health Planning and Statistics, Nevada State Health Division.

3. CRUDE RATE

Crude Death Rate = Number of Deaths / Population x 1,000 or 100,000

(This rate calculation was applied to infant mortality rate, neonatal mortality rate, and post-neonatal mortality rate)

Crude Incidence Rate = Number of New Cases of Specific Disease / Population x 100,000

(This rate calculation was applied to the rate of infectious diseases per 100,000 population)

4. AGE-ADJUSTED MORTALITY RATE

Age-Adjusted Mortality Rate = Total Expected Number of Deaths / Total Standard Population x 100,000

(This rate calculation was applied to the mortality rate of leading causes of death and injuries in this report. Health People 2010 targets for mortality rates of leading causes of death and injuries are also age-adjusted rates. For all three-year's, 1999-2001 age-adjusted rate calculations, the age was adjusted to the year 2000 standard population.)

5. DATA CONFIDENTIALITY

According to the data confidentiality policy of the Nevada State Health Division, sensitive cases (number of reported cases equal to or less than 5) are not allowed to be reported for general publication. Further information for internal use can be provided by the Bureau of Community Health upon request.

6. SAMPLE SIZE FOR BRFSS IN DOUGLAS COUNTY

In the Nevada BRFSS survey, 107 and 137 Douglas County residents participated in the survey in 2000 and 2001 respectively. The sample size may not be ideal to represent Douglas County's population and caution should be used when interpreting BRFSS survey responses.

7. POVERTY

How the Census Bureau Measures Poverty

Following the Office of Management and Budget's (OMB) Statistical Policy Directive 14, the U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine who is poor. If a family's total income is less than that family's threshold, then that family, and every individual in it, is considered poor. The poverty thresholds do not vary geographically, but they are updated annually for inflation using the Consumer Price Index (CPI-U). The official poverty definition counts money income before taxes and does not include capital gains and noncash benefits (such as public housing, Medicaid, food stamps). Poverty is not defined for people in military barracks, institutional group quarters, or for unrelated individuals under age 15 (such as foster children). They are excluded from the poverty universe – that is, they are considered neither as "poor" nor as "nonpoor."

Source: Joseph Dalaker and Bernadette D. Proctor, U.S. Census Bureau, Current Population Reports, Series P60-210, *Poverty in the United States: 1999*, U.S. Government Printing Office, Washington, DC, 2000.

REFERENCES

Bureau of Health Planning and Statistics and Center of Applied Research. *Nevada Behavioral Risk Factor Surveillance Survey Time Trend Analysis: 1992-2001*. Department of Human Resources, Douglas County, Nevada: State Health Division. April 2001.

Bureau of Health Planning and Statistics. *Nevada Vital Statistics 1999*. Department of Human Resources, Douglas County, Nevada: State Health Division. February 2001.

CDC. *Nevada 2000 State Health Profile*. Atlanta, GA: US Department of Health and Human Services, CDC, 2000.

Eberhardt MS, Ingram DD, Makuc DM, et al. *Urban and Rural Health Chartbook. Health, United States, 2001*. Hyattsville, Maryland: National Center for Health Statistics. 2001.

Nevada State Demographer. Nevada July 1, 2000 Population Estimate from Nevada Demographer (Based on Census 2000, April 1, 2000 Estimates, Adjusted for Other and Two or More Races). 2001.

U.S. Department of Health and Human Services. *Healthy People 2010*. 2nd ed. With Understanding and Improving Health and Objectives for Improving Health. 2 Vols. Washington, DC: U.S. Government Printing Office, November 2000.